

CLAIMS

1. A recording apparatus for recording a digital video signal to a tape shaped record medium, comprising:

5 means for recording a stream in which a compression encoding has been performed and a header has been added to the tape shaped record medium, wherein information of the header added to each frame is the same in all frames.

10 2. The recording apparatus as set forth in claim 1,

wherein in the stream, all the frames of the digital video signal have been compressed by intra-frame encoding.

15 3. The recording apparatus as set forth in claim 1,

wherein the compression encoding generates a stream having a hierarchical structure, and wherein the header is a header in the highest hierarchical level.

20 4. The recording apparatus as set forth in claim 1,

wherein the compression encoding generates a stream having a hierarchical structure, and wherein the header is a header that is added for each frame.

25 5. A recording method for recording a digital

video signal to a tape shaped record medium, comprising the step of:

recording a stream in which a compression encoding has been performed and a header has been added to the tape shaped record medium,

wherein information of the header added to each frame is the same in all frames.

6. A recording apparatus for recording a digital video signal to a tape shaped record medium, comprising:

means for recording a stream in which compression encoding has been performed and a header has been added to the tape shaped record medium,

wherein a system area that is almost securely reproduced in a high speed reproducing operation of which the tape shaped record medium is traveled at higher speed than a recording operation is formed as an area separated from a record area for the stream, and

wherein at least part of the header is recorded to the system area.

7. The recording apparatus as set forth in claim 6,

wherein in the stream, all the digital video signal has been compressed by intra-frame encoding.

8. The recording apparatus as set forth in claim 6,

wherein the compression encoding generates a

stream having a hierarchical structure, and

wherein information recorded to the system area is information contained in the header added for each frame.

5 9. The recording apparatus as set forth in claim 6,

wherein the compression encoding generates a stream having a hierarchical structure, and

10 wherein information recorded to the system area is information contained in the header of the highest hierarchical level.

10. A recording method for recording a digital video signal to a tape shaped record medium, comprising the step of:

15 recording a stream in which compression encoding has been performed and a header has been added to the tape shaped record medium,

wherein a system area that is almost securely reproduced in a high speed reproducing operation of which the tape shaped record medium is traveled at higher speed than a recording operation is formed as an area separated from a record area for the stream, and

20 wherein at least part of the header is recorded to the system area.

25 11. A reproducing apparatus for reproducing a tape shaped record medium on which a stream has been recorded, in the stream, compression encoding having

been performed and a header having been added, at least part of the header having been recorded in a system area that is almost securely reproduced in a high speed reproducing operation of which the tape shaped record medium is traveled at higher speed than a recording operation and that is formed as an area separated from a record area for the stream,

wherein in the high speed reproducing operation, the reproduced stream is decoded using information contained in the header reproduced from the system area.

12. The reproducing apparatus as set forth in claim 11,

wherein the header is created with information contained in the header reproduced from the system area, and

wherein the reproduced stream is decoded corresponding to the created header.

13. The reproducing apparatus as set forth in claim 11,

wherein the information reproduced from the system area is information contained in the header added for each frame.

14. The reproducing apparatus as set forth in claim 11,

wherein the stream has a hierarchical structure, and

wherein the information reproduced from the system area is information contained in the header of the highest hierarchical level.

15. A reproducing method for reproducing a tape shaped record medium on which a stream has been recorded, in the stream, compression encoding having been performed and a header having been added, at least part of the header having been recorded in a system area that is almost securely reproduced in a high speed reproducing operation of which the tape shaped record medium is traveled at higher speed than a recording operation and that is formed as an area separated from a record area for the stream,

wherein in the high speed reproducing operation, the reproduced stream is decoded using information contained in the header reproduced from the system area.

16. A recording apparatus for recording a digital video signal to a tape shaped record medium, comprising:

means for recording a stream in which a compression encoding has been performed and a header has been added to the tape shaped record medium,

wherein information of the header added to each frame is the same in all frames,

wherein a system area that is almost securely reproduced in a high speed reproducing operation of

which the tape shaped record medium is traveled at  
higher speed than a recording operation is formed as an  
area separated from a record area for the stream, and  
wherein at least part of the header is  
5 recorded to the system area.